

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **54088697 A**

(43) Date of publication of application: **13.07.1979**

(51) Int. Cl **C09K 3/28**
C04B 43/00

(21) Application number: **52156260**
(22) Date of filing: **23.12.1977**

(71) Applicant: **MITSUBISHI RAYON CO LTD**
(72) Inventor: **KOSAKA KENZO**
UCHIDA YUTAKA
YAGI KAZUHISA
YAMADA TOSHIHIKO
MATSUMOTO YOSHINORI

(54) FLAME RESISTING CELLULOSE MATERIAL

(57) Abstract:

PURPOSE: To impart a flame-resistivity to heat-insulating material made of cellulose fibre, by contacting borax or boric acid attached to the surface of said heat-insulating material with a particular amount of resin that causes gelation in contact with borax or boric acid.

CONSTITUTION: After more than 5% of inorganic flame-resisting material containing borax or boric acid is attached over the surface of a heat-insulating material made of cellulose fibre such as pulp and paper, a resin such as copolymer of PVA, PVAC, E/VAC that

causes gelation in contact with borax or borix acid is contacted with the heat-insulating material in the state of aqueous solution or emulsion liquid so as to coat the resin over the surface of said heat-resisting material. It is preferable here that amount of said resin attached over the surface of heat-resisting material is in the range of 2W50% to the amount of cellulose fibre and amount of borax or boric acid is more than 10% to the amount of the resin. When the resin is dried, it is attached tightly to the cellulose fibre of the inorganic flame-resisting material, so that there is no fear of the resin to be separated due to vibration or other. Thus, flame-resisting performance of the heat-insulating material can be improved remarkably.

COPYRIGHT: (C)1979,JPO&Japio